



Motorola Atrix 4G LCD Replacement

This guide will show how to remove the LCD screen from the Motorola Atrix 4G.

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INTRODUCTION

To remove the LCD you will first need to remove the battery, open the phone and remove the motherboard. Be ready to use a plastic opening tool, T5 Torx Screwdriver, spudger and heat gun or hair dryer.



TOOLS:

- [Heat Gun](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Spudger](#) (1)
 - [T5 Torx Screwdriver](#) (1)
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Step 1 — Battery



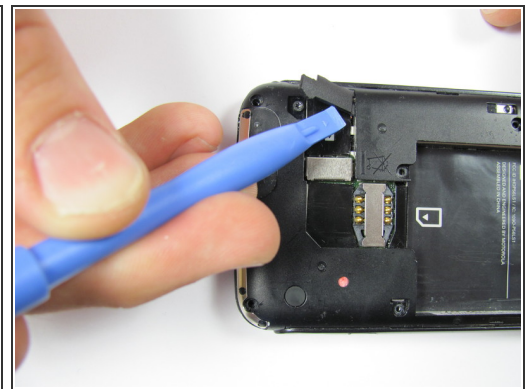
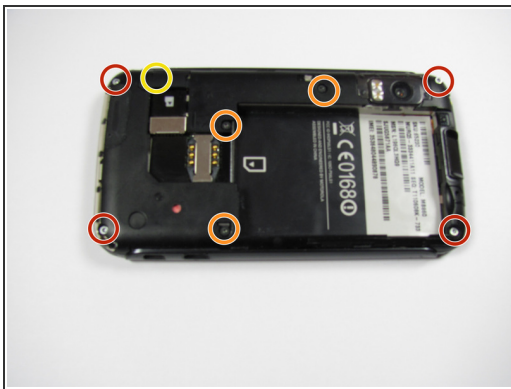
- Pry the rear cover from the back of the phone.

Step 2



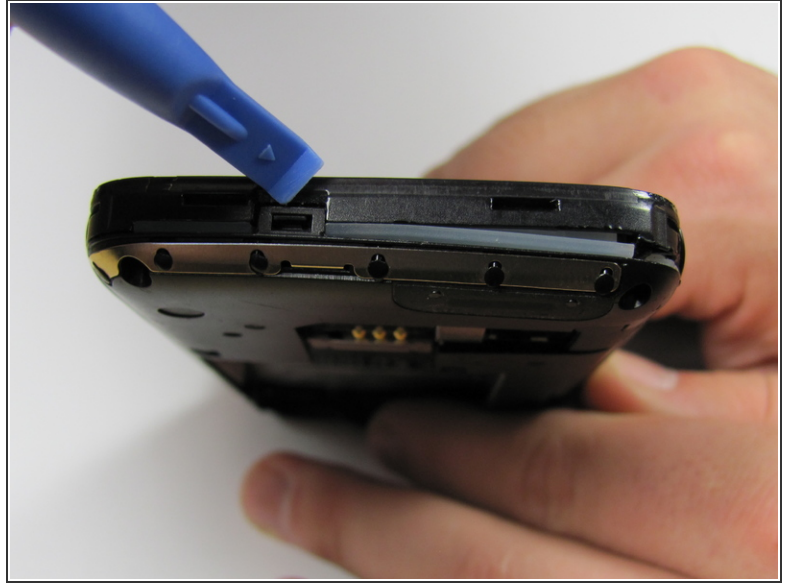
- Insert a spudger or plastic opening tool into the small notch at the base of the battery.
- Lift the battery out of the phone.

Step 3 — Antenna



- Remove the four 5.0 mm T5 Torx screws from the corners of the phone.
 - Remove three 5.5 mm T5 Torx screws from the back of the phone.
 - Lift up the black rubber flap near the SD card slot.
 - Remove the single 5.5 mm T5 Torx screw beneath the flap.
- ⚠ Do not attempt to loosen the screws with too much force. These screws are small, and easily stripped.

Step 4



- Remove the back case of the phone by gently lifting the tabs located on top of the phone near the lock button.
- Use the case opener or spudger in these small areas because the plastic tabs can be easily broken.
- Lift the tabs located on the bottom of the phone to continue removing the back cover.

Step 5



- Slide an opening tool between the gap from the back of the case to the front.
- After separating the sides, make sure there is a noticeable gap between the back case and the rest of the phone.
- After detaching the tabs and sliding down the sides, there should be a noticeable gap between the front and back cases.

Step 6



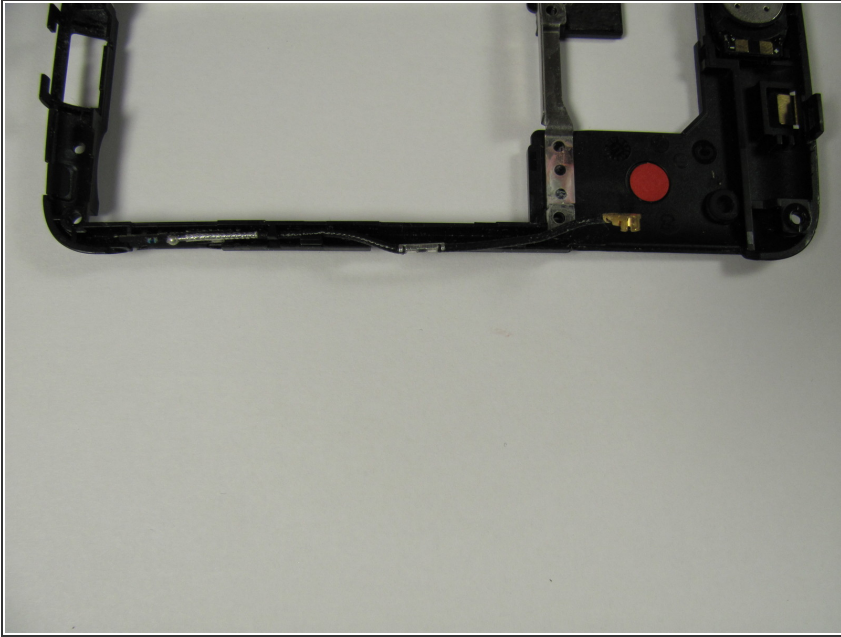
- Carefully separate the back case from the rest of the phone by lifting it away from the phone.
- ⚠ Do not completely remove the case from the rest of the phone. The antenna is connected to both cases.

Step 7



- Disconnect the antenna from its housing on the motherboard by gently lifting beneath it.

Step 8



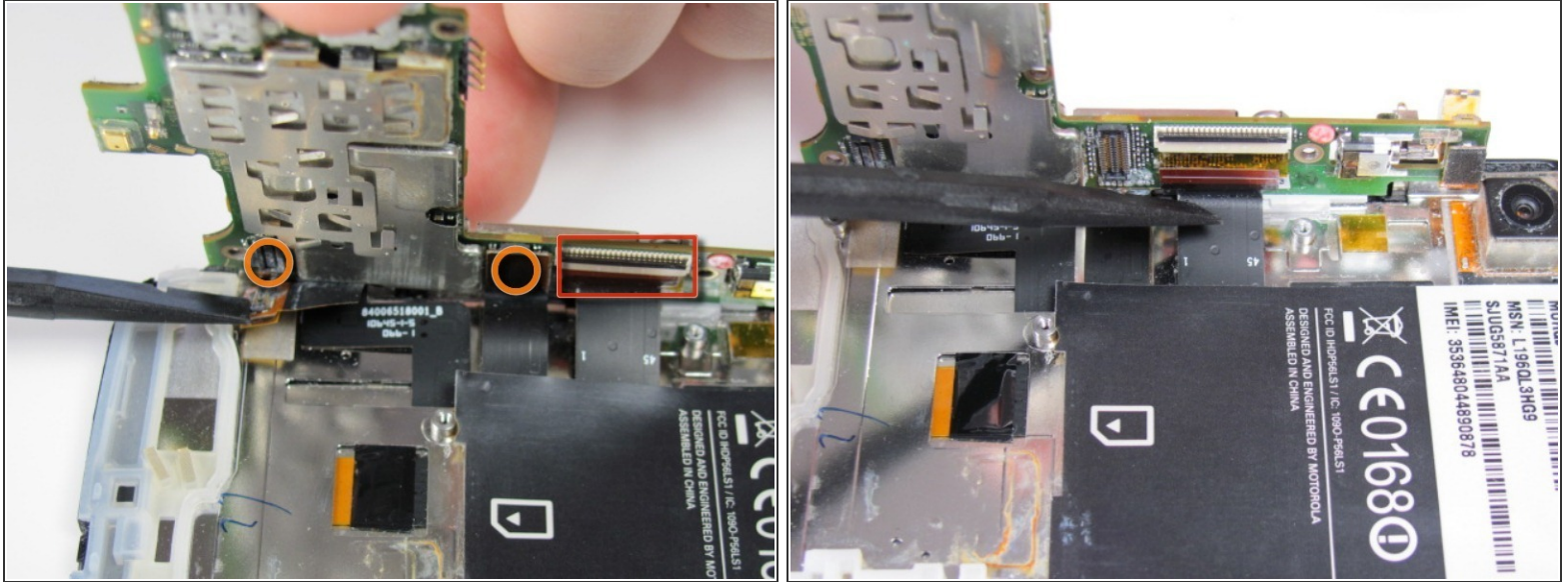
- Ease the antenna from out of its guide along the side of the phone
- Once the antenna is detached, remove the back case and the antenna from the phone
- ✦ The antenna is soldered to the back case. Do not pull with too much force.

Step 9 — Motherboard



- To remove the motherboard, first dislodge the right side of the motherboard, where the external connections are located, from the rest of the phone.
- This can be done by placing a spudger in between the two ports on the phone, between the black plastic and motherboard, and prying out.
- The motherboard should be able to be easily lifted upwards after dislodging it.
- If the white rubber piece moves, replace it where it came from upon reassembly.

Step 10



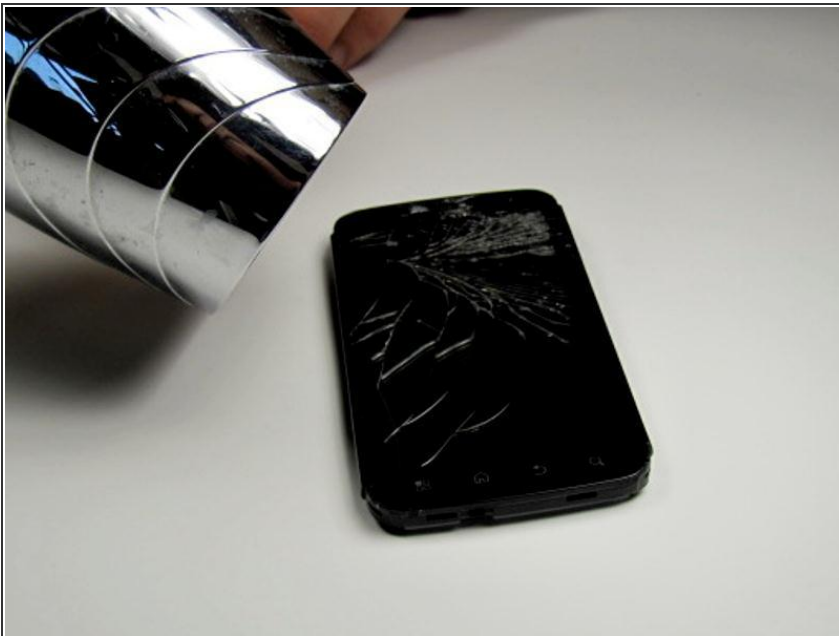
- First, several connections must be disconnected to completely separate the motherboard from the rest of the phone.
- The connection highlighted with a red box must be pulled down instead of out.
- Using the spudger tool, separate the two connections on the motherboard highlighted with orange circles by pulling them out.
- The black switch on top of this connection acts as a lock. Push it forwards to unlock the connection.

Step 11



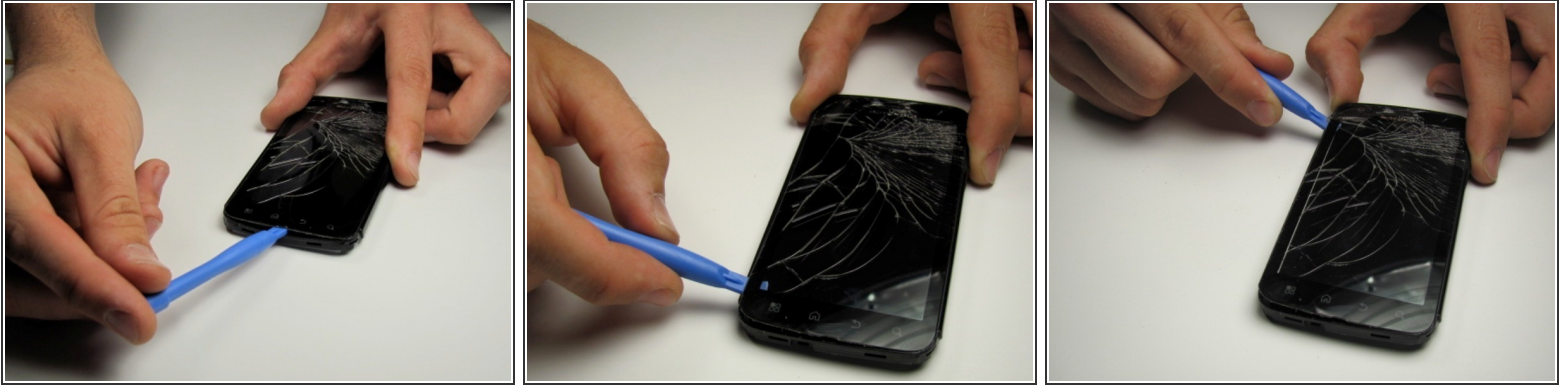
- After disconnecting the motherboard, there should be five distinct and separate parts of the phone: back cover, back case, front case, battery, and motherboard.

Step 12 — Screen



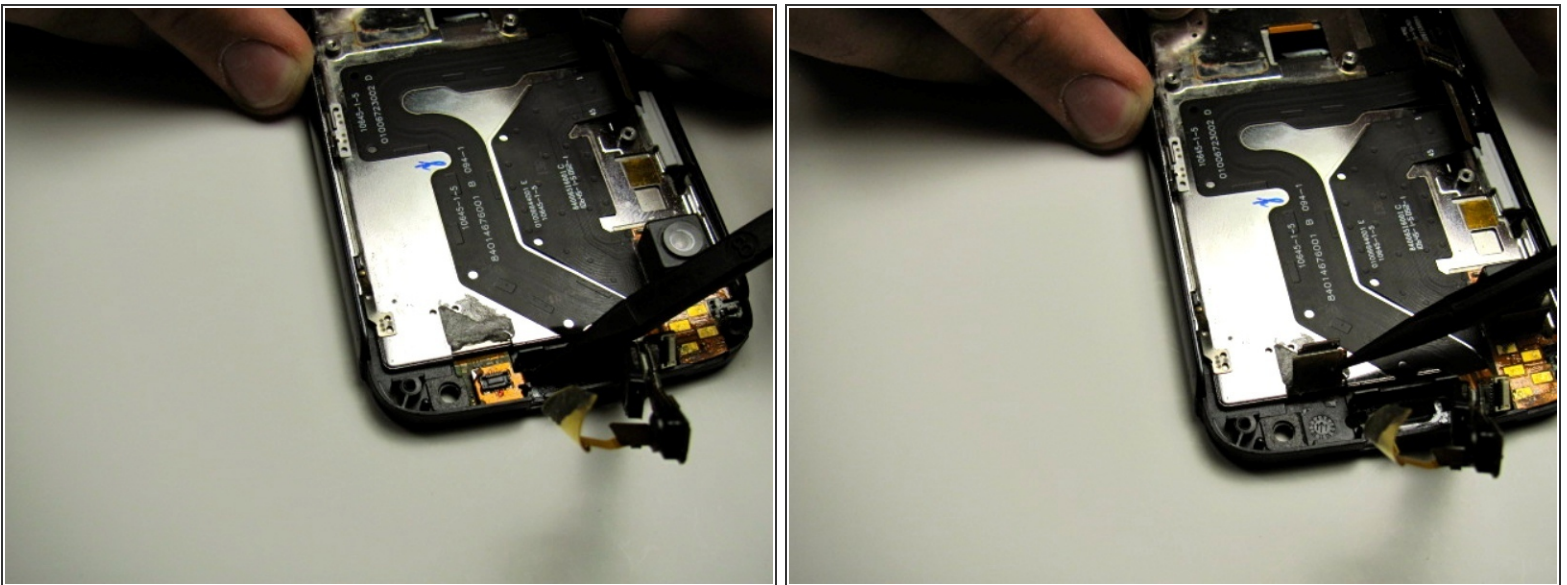
- Using a heat gun or a hair dryer on high heat, soften the adhesive securing the glass screen.
- ⓘ Direct the hot air along the front edges of the glass until the phone is warm to the touch.

Step 13



- Using a plastic opening tool, carefully pry up the bottom of the display glass.
 - Slowly work your way around the phone, using the plastic opening tool to separate the glass from the phone.
- i** As you work, the adhesive may cool and harden. You may need to heat up the glass again as you work your way around the screen.

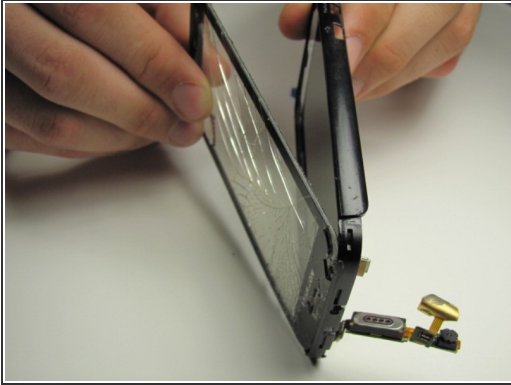
Step 14



- Using a spudger, lift up the digitizer cable that is attached to the glass.

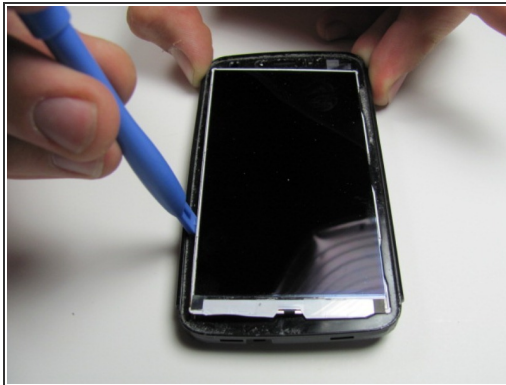
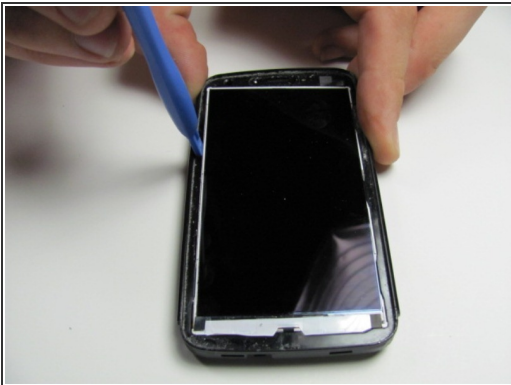
⚠ Be careful not to damage the cable. It is glued in place and hard to remove.

Step 15



- Now that the cable has been removed you can slide it through the opening and detach the glass.
- Be careful as you pull the cable through the opening. The cable is easily damaged.
- Once the cable is pushed through the slot, the glass can be fully removed.

Step 16 — LCD



- With the glass removed you can now access the LCD screen.
- Using a plastic opening tool, slide it in between LCD screen and the case of the phone and then pry it out carefully.
- Slide the case opener tool along the side until the LCD pops out of the case.
- Carefully guide the cables attached to the back of the LCD through the hole.

Step 17



- The LCD is now ready to be replaced.

To reassemble your device, follow these instructions in reverse order.

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